FMC Wastewater Treatment Facility - VA0068110

BA	SIC APPLICA	TION INFO	RMATION			OF ENVIRONAL
PAR	T A. BASIC APPL	ICATION INFO	ORMATION FOR ALL A	APPLICANTS:		
All tr	eatment works mus	complete quest	tions A.1 through A.8 of	this Basic Application	Information pack	ROBITHERN S
	Facility Information				ACCEPTANCE OF THE PROPERTY OF	FEB 0 1 2012 =
	Facility name	FMC Wastewa	ater Treatment Facility			REGIONAL OFFICE
	Mailing Address	10900 HCC D	rive, Fredericksburg, Vi	rginia. 22408		WOODBRIDGE, VA
	Contact person	Doug Crooks				
	Title	Division Direct	tor Wastewater Treatme	ent		
	Telephone number	(540) 507-736	2			
	Facility Address (not P.O. Box)	11801 Capital	Lane, Fredericksburg, '	√a. 22408		
A.2.	Applicant Informati	on. If the applica	ant is different from the abo	ove, provide the following	ıg:	
	Applicant name	Spotsylvania (	County Utilities Departm	nent		
	Mailing Address	600 Hudgins F	Road, Fredericksburg, \	/a. 22408		
	Contact person	Doug Crooks				
	Title	Division Direct	tor Wastewater Treatme	ent		
	Telephone number	(540) 507-736	2			
	Is the applicant the	owner or opera	tor (or both) of the treatn	nent works?		
	Indicate whether cor	respondence reg	arding this permit should b applicant	e directed to the facility	or the applicant.	
A.3.	-		•	of any existing environn	nental permits that ha	ave been issued to the treatment
	NPDES VA00295	513		PSD		
A.4.	Collection System	I <b>nformation</b> . Pro			ed by the facility. Pr	rovide the name and population of its ownership (municipal, private,
	Name		Population Served	Type of Collecti	on System	Ownership
	***************************************		35,618	Separate		Municipal
	Total por	oulation served	35.618	***************************************		

Form	Approved	d 1/14/99
		2040-0088

# FACILITY NAME AND PERMIT NUMBER: FMC Wastewater Treatment Facility - VA0068110 A.5. Indian Country. a. Is the treatment works located in Indian Country? b. Does the treatment works discharge to a receiving water that is either in Indian Country or that is upstream from (and eventually flows through) Indian Country? A.6. Flow. Indicate the design flow rate of the treatment plant (i.e., the wastewater flow rate that the plant was built to handle). Also provide the average daily flow rate and maximum daily flow rate for each of the last three years. Each year's data must be based on a 12-month time period with the 12th month of "this year" occurring no more than three months prior to this application submittal. a. Design flow rate \_\_\_\_\_\_4.0 mgd Last Year This Year Two Years Ago 1.84 mgd 2.07 2.07 b. Annual average daily flow rate 5.19 5.71 c. Maximum daily flow rate A.7. Collection System. Indicate the type(s) of collection system(s) used by the treatment plant. Check all that apply. Also estimate the percent contribution (by miles) of each. Separate sanitary sewer Combined storm and sanitary sewer A.8. Discharges and Other Disposal Methods. √ Yes a. Does the treatment works discharge effluent to waters of the U.S.? If yes, list how many of each of the following types of discharge points the treatment works uses: i. Discharges of treated effluent ii. Discharges of untreated or partially treated effluent iii. Combined sewer overflow points iv. Constructed emergency overflows (prior to the headworks) Other Does the treatment works discharge effluent to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the U.S.? If yes, provide the following for each surface impoundment: Location: Annual average daily volume discharged to surface impoundment(s) continuous or \_\_\_\_\_ intermittent? Is discharge Yes c. Does the treatment works land-apply treated wastewater? If yes, provide the following for each land application site: Location: Number of acres: Annual average daily volume applied to site: continuous or \_\_\_\_\_ intermittent? Does the treatment works discharge or transport treated or untreated wastewater to another √ No Yes

treatment works?

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# FACILITY NAME AND PERMIT NUMBER:

FMC Wastewater Treatment Facility - VA0068110

If transport is by a party	other than the applicant, provide:		
Transporter name:		- Called Market Control of the Contr	
Mailing Address:			
Contact person:			
Title:			
Telephone number:			
For each treatment wo	rks that receives this discharge, provide the following:		
For each treatment wo	ks that receives this discharge, provide the following.		
Name:			
Mailing Address:			
Contact person:			
Contact person:			
·			
Title: Telephone number:	IPDES permit number of the treatment works that receives this discharge	9.	
Title: Telephone number: If known, provide the N		e	mg
Title: Telephone number: If known, provide the N Provide the average di	IPDES permit number of the treatment works that receives this discharge	eYes	mg
Title: Telephone number: If known, provide the N Provide the average di Does the treatment wo A.8.a through A.8.d ab	IPDES permit number of the treatment works that receives this discharge aily flow rate from the treatment works into the receiving facility.		

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### FACILITY NAME AND PERMIT NUMBER:

FMC Wastewater Treatment Facility - VA0068110

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If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

. D	escription of Outfall.		
a	Outfall number	001	
b	Location	Fredericksburg	22408
		(City or town, if applicable Spotsylvania	e) (Zip Code) Virginia
		(County) 38 16 55 N	(State) 77 26 42 W
		38 16 55 N (Latitude)	// 26 42 W (Longitude)
	Distance forms about	,	` • <i>•</i>
C.	Distance from shore	e (II applicable)	N/A ft.
d.	Depth below surface	e (if applicable)	N/A ft.
e.	Average daily flow r	rate	1.84 mgd
f.		ve either an intermittent or a	
	periodic discharge?		Yes No (go to A.9.g.)
	If yes, provide the fo	ollowing information:	
	Number of times pe	er year discharge occurs:	
	Average duration of	f each discharge:	
	Average flow per dis	scharge:	mgd
	Months in which dis	scharge occurs:	
			./
g.	Is outfall equipped v	with a diffuser?	Yes No
0. D	escription of Receivi	ing Waters.	
a.	Name of receiving v	water Rappahanno	ock River
a.	rame or receiving v	· tapparian.	
b.	Name of watershed	(if known)	Rappahannock River
	United States Soil C	Conservation Service 14-digit	t watershed code (if known):
	Name of State Man	agement/River Basin (if knov	· · · · · · · · · · · · · · · · · · ·
C.	Name of State Man.	agement/Net basin (ii kilov	мп).
	United States Geold	ogical Survey 8-digit hydrolog	gic cataloging unit code (if known):
d.		eceiving stream (if applicable	·
	acute4	1.8 cfs	chronic <u>51.1</u> cfs
e.	Total hardness of re	eceiving stream at critical low	v flow (if applicable):50_ mg/l of CaCO <sub>3</sub>

FMC Wastewater Treatment Facility - VA0068110

A.11. Description	n of Treatme	ent.											
a. What le	evels of treat	ment are	provide	d? Ch	neck all th	at ap	ply.						
	Primary	y			<u>√</u> s∈	econ	dary						
	Advanc	ced		**********	0	ther.	Describe:						
b. Indicate	e the followin	ng remova	al rates (	(as ap	plicable):								
Design	BOD <sub>5</sub> remov	val <u>or</u> De	sign CB0	OD₅ re	emoval			95			%		
Design	SS removal							95			%		
Design	P removal										%		
Desian	n N removal										 %		
Other								-			<del></del> %		
	una of disinfo	oction is u	used for	the of	fluent from	n thi	s outfall? If disi	infaction varies	hy ease	on ni	******	۵	
-		5C0011 15 C	useu ioi i	ine en	nuem noi	11 (11)	s outlail! It uis	inection valle:	s by seast	Jii, Pi	case describ	<b>C</b> .	
	ination												
	,		•			ed fo	or this outfall?			- Ye			No
d. Does th	he treatment	plant hav	ve post a	aeratio	on?					_ Ye	S		No
parameters discharged collected t of 40 CFR	s. Provide the d. Do not in through ana Part 136 and	he indica Iclude in Ilysis cor d other a	ated efflormation iformation inducted appropri	luent i on on d using iate Q	testing re combine g 40 CFF A/QC re	equir ed se Par quire	ed by the per ewer overflow t 136 methods ements for sta	mitting autho s in this secti s. In addition ndard metho	rity <u>for ea</u> on. All in , this data ds for an	ach c form a mu alyte	outfall through ation reporte st comply wis not addres	<u>ih wi</u> ed m ith Q sed	a for the following hich effluent is lust be based on data A/QC requirements by 40 CFR Part 136. one-half years apart
discharged collected t of 40 CFR	rs. Provide the description of t	he indica Iclude in Ilysis cor d other a	ated efflormation iformation inducted appropri	luent i on on d using iate Q	testing re combine g 40 CFF A/QC re	equir ed se Par quire	ed by the per ewer overflow t 136 methods ements for sta	mitting autho s in this secti s. In addition ndard metho	rity <u>for ea</u> on. All in , this data ds for an	ach c form a mu alyte	outfall through ation reporte st comply wis not addres	<u>ih wi</u> ed m ith Q sed	hich effluent is lust be based on data IA/QC requirements by 40 CFR Part 136.
parameters discharges collected t of 40 CFR At a minim	rs. Provide the description of t	he indica aclude in dysis cor d other a at testing	ated efflormation iformation inducted appropri	luent f on on d using late Q nust be	testing re combine g 40 CFF A/QC re e based	equired set on at	ed by the per ewer overflow t 136 methods ements for sta	mitting autho s in this secti s. In addition ndard metho	rity <u>for ea</u> ion. All in , this data ds for and nust be no	ach c iform a mu alyte o mo	outfall through ation reporte st comply wis not addres	th wied mith Q sed and	hich effluent is lust be based on data IA/QC requirements by 40 CFR Part 136. one-half years apart
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parameters discharges collected t of 40 CFR At a minim	rs. Provide the d. Do not in through ana Part 136 and num, effluen	he indica aclude in dysis cor d other a at testing	ated effli formation nducted appropri g data m	luent ( on on on dusing the Quarter of the Quarter	testing re combine g 40 CFF A/QC re e based	equired set on at	ed by the per ewer overflow t 136 methods ements for sta least three sa	mitting autho s in this secti s. In addition ndard metho amples and m	rity <u>for ea</u> on. All in , this data ds for and nust be no	ach c iform a mu alyte o mo	putfall through ation reported st comply with a second standards so not addrest re than four	ih wied mith Queen was and	hich effluent is lust be based on data A/QC requirements by 40 CFR Part 136. one-half years apart
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REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

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### FACILITY NAME AND PERMIT NUMBER:

FMC Wastewater Treatment Facility - VA0068110

	A	CIC	ADDI	ICA	TION	INIEO	DAA.	A	TIM	A
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BA	SIC	C APPLICATION INFORMATION
PAR	RT B	. ADDITIONAL APPLICATION INFORMATION FOR APPLICANTS WITH A DESIGN FLOW GREATER THAN OR EQUAL TO 0.1 MGD (100,000 gallons per day).
All a	pplic	ants with a design flow rate $\geq$ 0.1 mgd must answer questions B.1 through B.6. All others go to Part C (Certification).
B.1.		low and Infiltration. Estimate the average number of gallons per day that flow into the treatment works from inflow and/or infiltration.  100,000 gpd
		efly explain any steps underway or planned to minimize inflow and infiltration.
	<u>Cc</u>	ontinuining program of line and manhole rehabilitation
B.2.	Thi	pographic Map. Attach to this application a topographic map of the area extending at least one mile beyond facility property boundaries. s map must show the outline of the facility and the following information. (You may submit more than one map if one map does not show entire area.)
	a.	The area surrounding the treatment plant, including all unit processes.
	b.	The major pipes or other structures through which wastewater enters the treatment works and the pipes or other structures through which treated wastewater is discharged from the treatment plant. Include outfalls from bypass piping, if applicable.
	C.	Each well where wastewater from the treatment plant is injected underground.
	d.	Wells, springs, other surface water bodies, and drinking water wells that are: 1) within 1/4 mile of the property boundaries of the treatment works, and 2) listed in public record or otherwise known to the applicant.
	e.	Any areas where the sewage sludge produced by the treatment works is stored, treated, or disposed.
	f.	If the treatment works receives waste that is classified as hazardous under the Resource Conservation and Recovery Act (RCRA) by truck, rail, or special pipe, show on the map where that hazardous waste enters the treatment works and where it is treated, stored, and/or disposed.
B.3.	back chlo	cess Flow Diagram or Schematic. Provide a diagram showing the processes of the treatment plant, including all bypass piping and all kup power sources or redundancy in the system. Also provide a water balance showing all treatment units, including disinfection (e.g., rination and dechlorination). The water balance must show daily average flow rates at influent and discharge points and approximate daily rates between treatment units. Include a brief narrative description of the diagram.
B.4.	Оре	eration/Maintenance Performed by Contractor(s).
		any operational or maintenance aspects (related to wastewater treatment and effluent quality) of the treatment works the responsibility of a tractor?YesNo
		es, list the name, address, telephone number, and status of each contractor and describe the contractor's responsibilities (attach additional es if necessary).
	Nan	ne:
	Mail	ing Address:
	Tolo	ephone Number:
	Res	ponsibilities of Contractor:
B.5.	unce	eduled Improvements and Schedules of Implementation. Provide information on any uncompleted implementation schedule or ompleted plans for improvements that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works. If the treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question for each. (If none, go to question B.6.)
	a.	List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.
	b.	Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.
		YesNo

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С	If the answer to B.5	o.b is "Yes," briefly describe, inclu	iding new maximum daily inflow ra	te (if applicat	ole). 	
d.	applicable. For imp		or any actual dates of completion tly of local, State, or Federal agen			
		Schedule	Actual Completion			
	Implementation Sta	age <u>MM / DD / 1</u>	YYYY MM / DD / YYYY			
	- Begin construction	on//				
	- End construction	//				
	<ul> <li>Begin discharge</li> </ul>					
	<ul> <li>Attain operationa</li> </ul>	level// _				
e.	Have appropriate p	ermits/clearances concerning oth	her Federal/State requirements be	en obtained?	Yes	_No
	Describe briefly: _					
	-		***************************************			
B.6. EFF	FLUENT TESTING D	ATA (GREATER THAN O.1 MG	D ONLY).			
tes ov me sta	sting required by the verflows in this section ethods. In addition, t andard methods for a	permitting authority <u>for each outfa</u> n. All information reported must b his data must comply with QA/QC	ide effluent testing data for the foll all through which effluent is discha- be based on data collected throug C requirements of 40 CFR Part 13 R Part 136. At a minimum, effluen -half years old.	<u>irged.</u> Do not h analysis co 6 and other a	t include information or nducted using 40 CFR ppropriate QA/QC req	n combined sewer Part 136 uirements for
Οι	utfall Number: 001					
Р	POLLUTANT	MAXIMUM DAILY	AVERAGE DAILY DISCH.	ARGE		

POLLUTANT	MAXIMUM DAILY DISCHARGE		AVERA	GE DAILY DISC	CHARGE		
	Conc.	Units	Conc.	Units	Number of Samples	ANALYTICAL METHOD	ML / MDL
CONVENTIONAL AND NO	CONVENTION	AL COMPOUND	S.	<del></del>			
AMMONIA (as N)	6.3	mg/l	0.13	mg/l	308	SM184500-NH3F	0.1 mg/l
CHLORINE (TOTAL RESIDUAL, TRC)	<ql< td=""><td>mg/l</td><td><ql< td=""><td>mg/l</td><td>730</td><td>SM18 4500CL-G</td><td>0.2 mg/l</td></ql<></td></ql<>	mg/l	<ql< td=""><td>mg/l</td><td>730</td><td>SM18 4500CL-G</td><td>0.2 mg/l</td></ql<>	mg/l	730	SM18 4500CL-G	0.2 mg/l
DISSOLVED OXYGEN	11.70	mg/l	8.59	mg/l	730	SM4500-OG	0.1 mg/l
TOTAL KJELDAHL NITROGEN (TKN)	8.41	mg/l	1.48	mg/l	420	SM18 4500-NH3	0.1 mg/l
NITRATE PLUS NITRITE NITROGEN	7.8	mg/l	4.67	mg/l	107	SM18 4500NO3E	0.05 mg/l
OIL and GREASE	<5	mg/l	<5	mg/l	4	EPA1664	5 mg/l
PHOSPHORUS (Total)	2.63	mg/l	0.29	mg/l	107	SM18 4500-PE	0.025 mg/l
TOTAL DISSOLVED SOLIDS (TDS)	309	mg/l	274	mg/l	3	SM18 2540C	1 mg/l
OTHER							

# END OF PART B. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM 2A YOU MUST COMPLETE

FACILITY NAME AND F	PERMIT NUMBER:		Form Approved 1/14/99
FMC Wastewater Trea	ntment Facility - VA00681	10	OMB Number 2040-0086
BASIC APPLICA	ATION INFORMAT	ION	
PART C. CERTIFICA	TION		
All applicants must comp applicants must complet have completed and are	plete the Certification Section e all applicable sections of F	orm 2A, as explained in the Appertification statement, applica	rmine who is an officer for the purposes of this certification. All oplication Overview. Indicate below which parts of Form 2A you nts confirm that they have reviewed Form 2A and have completed
Indicate which parts of	Form 2A you have comple	eted and are submitting:	
Basic Applic	cation Information packet	Supplemental Application	nformation packet:
			Effluent Testing Data)
18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Part E (Toxicity Te	esting: Biomonitoring Data)
		Part F (Industrial	Jser Discharges and RCRA/CERCLA Wastes)
		Part G (Combined	Sewer Systems)
ALL APPLICANTS MUS	ST COMPLETE THE FOLLO	WING CERTIFICATION.	
designed to assure that of who manage the system	qualified personnel properly or or those persons directly res d complete. I am aware that	gather and evaluate the inform sponsible for gathering the info	under my direction or supervision in accordance with a system nation submitted. Based on my inquiry of the person or persons ormation, the information is, to the best of my knowledge and for submitting false information, including the possibility of fine
Name and official title	Edward Petrovitch, Dire	ctor of Public Utilities	
Signature	- Edobates		
Telephone number	(540) 507-7300		
Date signed			
	nitting authority, you must su late permitting requirements		cessary to assess wastewater treatment practices at the treatment

SEND COMPLETED FORMS TO:

FMC Wastewater Treatment Facility - VA0068110

### SUPPLEMENTAL APPLICATION INFORMATION

#### PART D. EXPANDED EFFLUENT TESTING DATA

Refer to the directions on the cover page to determine whether this section applies to the treatment works.

Effluent Testing: 1.0 mgd and Pretreatment Treatment Works. If the treatment works has a design flow greater than or equal to 1.0 mgd or it has (or is required to have) a pretreatment program, or is otherwise required by the permitting authority to provide the data, then provide effluent testing data for the following pollutants. Provide the indicated effluent testing information and any other information required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analyses conducted using 40 CFR Part 136 methods. In addition, these data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. Indicate in the blank rows provided below any data you may have on pollutants not specifically listed in this form. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old.

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.)

POLLUTANT	l N		M DAILY	′	ΑV	'ERAGE	DAILY	DISCHA	ARGE		
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
METALS (TOTAL RECOVERABLE), (	CYANIDE,	PHENO	LS, AND I	HARDNE	SS.						
ANTIMONY	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
ARSENIC	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
BERYLLIUM	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.001 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.001 mg/l</td></dl<>				3	EPA200.7	0.001 mg/l
CADMIUM	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
CHROMIUM	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
COPPER	0.017	mg/l	0.13	Kg/D	0.012	mg/l	0.09	Kg/D	3	EPA200.7	0.001 mg/l
LEAD	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
MERCURY	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.001 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.001 mg/l</td></dl<>				3	EPA200.7	0.001 mg/l
NICKEL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
SELENIUM	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
SILVER	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
THALLIUM	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA200.7</td><td>0.005 mg/l</td></dl<>				3	EPA200.7	0.005 mg/l
ZINC	0.046	mg/l	0.35	Kg/D	0.038	mg/l	0.29	Kg/D	3	EPA200.7	0.005 mg/l
CYANIDE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>4</td><td>EPA335.4</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>4</td><td>EPA335.4</td><td>0.005 mg/l</td></dl<>				4	EPA335.4	0.005 mg/l
TOTAL PHENOLIC COMPOUNDS	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>4</td><td>EPA420.2</td><td>0.1 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>4</td><td>EPA420.2</td><td>0.1 mg/l</td></dl<>				4	EPA420.2	0.1 mg/l
HARDNESS (AS CaCO <sub>3</sub> )	64	mg/l	482	Kg/D	59	mg/l	442	Kg/D	3	SM2340-200.7	2 mg/l
Use this space (or a separate sheet) to	provide in	formatio	n on other	metals re	equested t	by the per	rmit writer				
	<u> </u>										
		L	<u> </u>	<u> </u>		<u> </u>	<u></u>	<u></u>			***************************************

OMB Number 2040-0086 FMC Wastewater Treatment Facility - VA0068110 (Complete once for each outfall discharging effluent to waters of the United States.) Outfall number: 001 POLLUTANT MAXIMUM DAILY AVERAGE DAILY DISCHARGE DISCHARGE **ANALYTICAL** ML/ MDL Units | Mass Units Conc. Units Mass Units Number Conc. of METHOD Samples VOLATILE ORGANIC COMPOUNDS. **ACROLEIN** <DL <DL 3 EPA624 0.005 mg/l <DL 3 EPA624 0.005 mg/l **ACRYLONITRILE** <DL BENZENE <DL 3 **EPA624** 0.001 mg/l <DL **BROMOFORM** <DL 3 **EPA624** 0.001 mg/l <DL <DL 3 **EPA624** 0.001 mg/l CARBON TETRACHLORIDE <DL CLOROBENZENE <DL <DL 3 **EPA624** 0.001 mg/l <DL 3 **EPA624** 0.001 mg/l CHLORODIBROMO-METHANE <DL CHLOROETHANE <DL **EPA624** 0.001 mg/l <DL 3 <DL 3 **EPA624** 2-CHLORO-ETHYLVINYL <DL  $0.001 \, \text{mg/l}$ **ETHER** CHLOROFORM 0.03 3 **EPA624** 0.001 mg/l 0.031 0.22 Kg/D 0.19 Kg/D mg/l mg/l DICHLOROBROMO-METHANE 0.005 0.04 Kg/D 0.005 mg/l 0.04 Kg/D 3 **EPA624** 0.001 mg/l mg/l 1,1-DICHLOROETHANE <DL <DL 3 **EPA624** 0.001 mg/l 1,2-DICHLOROETHANE <DL <DL 3 **EPA624** 0.001 mg/l TRANS-1,2-DICHLORO-ETHYLENE 3 EPA624 0.001 mg/l <DL <DL <DL 3 **EPA624** 0.001 mg/l 1,1-DICHLOROETHYLENE <DL EPA624 1.2-DICHLOROPROPANE <DL <DL 3 0.001 mg/l <DL 3 EPA624 1,3-DICHLORO-PROPYLENE <DL 0.001 mg/l 3 <DL EPA624 0.001 mg/l ETHYLBENZENE <DL <DL 3 EPA624 0.001 mg/l METHYL BROMIDE <DL 3 EPA624 METHYL CHLORIDE <DL <DL 0.001 mg/l 3 EPA624 METHYLENE CHLORIDE <DL 0.001 mg/l <DL <DL 3 EPA624 0.001 mg/l 1,1,2,2-TETRACHLORO-ETHANE <DL

<DL

<DL

3

3

**EPA624** 

EPA624

<DL

<DL

TETRACHLORO-ETHYLENE

**TOLUENE** 

0.001 mg/l

0.001 mg/l

FMC Wastewater Treatment Facility - VA0068110

Outfall number: 001									the United S	states.)	·
POLLUTANT	)		IM DAIL` IARGE		A\	/ERAGE	EDAILY	DISCH	ARGE		
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
1,1,1-TRICHLOROETHANE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/</td></dl<>				3	EPA624	0.001 mg/
1,1,2-TRICHLOROETHANE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/l</td></dl<>				3	EPA624	0.001 mg/l
TRICHLORETHYLENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/</td></dl<>				3	EPA624	0.001 mg/
VINYL CHLORIDE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA624</td><td>0.001 mg/l</td></dl<>				3	EPA624	0.001 mg/l
Use this space (or a separate sheet	t) to provide in	formatio	on other	volatile o	rganic cor	npounds	requested	d by the p	permit writer.		
ACID-EXTRACTABLE COMPOUN	DS										
P-CHLORO-M-CRESOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2-CHLOROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2,4-DICHLOROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2,4-DIMETHYLPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
4,6-DINITRO-O-CRESOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2,4-DINITROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2-NITROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.001 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.001 mg/l</td></dl<>				3	EPA625	0.001 mg/l
1-NITROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
PENTACHLOROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
PHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
2,4,6-TRICHLOROPHENOL	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
Jse this space (or a separate sheet	) to provide in	formation	on other	acid-extra	actable co	mpounds	requeste	d by the	permit writer.		
BASE-NEUTRAL COMPOUNDS.											
ACENAPHTHENE	<dl< td=""><td>day and the same of the same o</td><td></td><td></td><td><dl< td=""><td></td><td></td><td>I</td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>	day and the same of the same o			<dl< td=""><td></td><td></td><td>I</td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>			I	3	EPA625	0.005 mg/l
CENAPHTHYLENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
NTHRACENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
BENZIDINE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
BENZO(A)ANTHRACENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
ENZO(A)PYRENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l

FMC Wastewater Treatment Facility - VA0068110

Outfall number: 001 (Complete once for each outfall discharging effluent to waters of the United States.) POLLUTANT MAXIMUM DAILY AVERAGE DAILY DISCHARGE DISCHARGE Conc. Units Mass Units Conc. Units Mass Units Number **ANALYTICAL** ML/ MDL of **METHOD** Samples 3,4 BENZO-FLUORANTHENE <DL <DL 3 **EPA625** 0.005 mg/l BENZO(GHI)PERYLENE <DL <DL 3 **EPA625** 0.005 mg/l BENZO(K)FLUORANTHENE <DL <DL 3 EPA625 0.005 mg/l BIS (2-CHLOROETHOXY) <DL <DL 3 **EPA625** 0.005 mg/l METHANE BIS (2-CHLOROETHYL)-ETHER <DL <DL 3 **EPA625** 0.005 mg/l BIS (2-CHLOROISO-PROPYL) <DL <DL 3 **EPA625** 0.005 mg/l ETHER BIS (2-ETHYLHEXYL) PHTHALATE <DL <DL 3 **EPA625** 0.005 mg/l 4-BROMOPHENYL PHENYL ETHER <DL <DL 3 **EPA625** 0.005 mg/l BUTYL BENZYL PHTHALATE <DL <DL 3 **EPA625** 0.005 mg/l 2-CHLORONAPHTHALENE <DL <DL 3 **EPA625** 0.005 mg/l 4-CHLORPHENYL PHENYL ETHER <DL <DL 3 **EPA625** 0.005 mg/l CHRYSENE <DL <DL 3 **EPA625** 0.005 mg/l DI-N-BUTYL PHTHALATE <DL <DL 3 **EPA625** 0.005 mg/l DI-N-OCTYL PHTHALATE <DL <DL 3 EPA625 0.005 mg/l DIBENZO(A,H) ANTHRACENE <DL <DL 3 EPA625 0.005 mg/l 1,2-DICHLOROBENZENE <DL <DL 3 **EPA625** 0.005 mg/l 1,3-DICHLOROBENZENE <DL <DL 3 **EPA625** 0.005 mg/l 1,4-DICHLOROBENZENE <DL <DL 3 EPA625 0.005 mg/l 3.3-DICHLOROBENZIDINE <DL <DL 3 **EPA625** 0.005 mg/l DIETHYL PHTHALATE <DL <DL 3 EPA625 0.005 mg/l DIMETHYL PHTHALATE <DL <DL 3 **EPA625** 0.005 mg/l 2.4-DINITROTOLUENE <DL <DL 3 **EPA625** 0.005 mg/l 2,6-DINITROTOLUENE <DL <DL 3 EPA625 0.005 mg/l 1,2-DIPHENYLHYDRAZINE <DL <DL 3 **EPA625** 0.005 mg/l

FMC Wastewater Treatment Facility - VA0068110

Form Approved 1/14/99 OMB Number 2040-0086

Outfall number: <u>001</u>	(Comp	lete onc	e for eac	ch outfall	discharg	jing efflu	ent to w	aters of	the United S	States.)	
POLLUTANT	MAXIMUM DAILY AVERAGE DAILY DISCHARGE DISCHARGE			ARGE							
	Conc.	Units	Mass	Units	Conc.	Units	Mass	Units	Number of Samples	ANALYTICAL METHOD	ML/ MDL
FLUORANTHENE	<dl< td=""><td>Angeria Communication and Comm</td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>	Angeria Communication and Comm			<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
FLUORENE	<dl< td=""><td>des aproprieta de la constanta de la constanta</td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>	des aproprieta de la constanta			<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
HEXACHLOROBENZENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
HEXACHLOROBUTADIENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
HEXACHLOROCYCLO- PENTADIENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
HEXACHLOROETHANE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
INDENO(1,2,3-CD)PYRENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
ISOPHORONE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
NAPHTHALENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
NITROBENZENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
N-NITROSODI-N-PROPYLAMINE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
N-NITROSODI- METHYLAMINE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
N-NITROSODI-PHENYLAMINE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
PHENANTHRENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
PYRENE	<dl< td=""><td></td><td></td><td></td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>				<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
1,2,4-TRICHLOROBENZENE	<dl< td=""><td></td><td></td><td>***************************************</td><td><dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<></td></dl<>			***************************************	<dl< td=""><td></td><td></td><td></td><td>3</td><td>EPA625</td><td>0.005 mg/l</td></dl<>				3	EPA625	0.005 mg/l
Use this space (or a separate sheet) to	o provide in	formatio	n on other	base-neu	itral comp	ounds re	quested b	y the per	mit writer.		
***************************************											
Use this space (or a separate sheet) to	o provide in	formation	on other	pollutant	s (e.g., pe	sticides) i	equested	by the p	ermit writer.		

END OF PART D. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM **2A YOU MUST COMPLETE** 

FMC Wastewater Treatment Facility - VA0068110

Form Approved 1/14/99 OMB Number 2040-0086

### SUPPLEMENTAL APPLICATION INFORMATION

### PART E. TOXICITY TESTING DATA

POTWs meeting one or more of the following criteria must provide the results of whole effluent toxicity tests for acute or chronic toxicity for each of the facility's discharge points: 1) POTWs with a design flow rate greater than or equal to 1.0 mgd; 2) POTWs with a pretreatment program (or those that are required to have one under 40 CFR Part 403); or 3) POTWs required by the permitting authority to submit data for these parameters.

- At a minimum, these results must include quarterly testing for a 12-month period within the past 1 year using multiple species (minimum of two species), or the results from four tests performed at least annually in the four and one-half years prior to the application, provided the results show no appreciable toxicity, and testing for acute and/or chronic toxicity, depending on the range of receiving water dilution. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136.
- In addition, submit the results of any other whole effluent toxicity tests from the past four and one-half years. If a whole effluent toxicity test conducted during the past four and one-half years revealed toxicity, provide any information on the cause of the toxicity or any results of a toxicity reduction evaluation, if one was conducted.
- If you have already submitted any of the information requested in Part F, you need not submit it again. Bather, provide the information

requested in question E.4 for per methods. If test summaries and If no biomonitoring data is required, do no complete.	previously submitted information. If re available that contain all of the inf	EPA methods were not used, report th ormation requested below, they may b dication Overview for directions on whi	e reasons for using alternate e submitted in place of Part F		
E.1. Required Tests.					
Indicate the number of whole effluent toxicity tests conducted in the past four and one-half years. chronicacute  E.2. Individual Test Data. Complete the following chart for each whole effluent toxicity test conducted in the last four and one-half years. Allow one column per test (where each species constitutes a test). Copy this page if more than three tests are being reported.					
, , , , , , , , , , , , , , , , , , , ,	Test number:	· ·	Test number:		
a. Test information.					
Test species & test method number					
Age at initiation of test					
Outfall number					
Dates sample collected					
Date test started					
Duration					
b. Give toxicity test methods followe	ed.				
Manual title					
Edition number and year of publication					
Page number(s)					
c. Give the sample collection metho	d(s) used. For multiple grab sample	es, indicate the number of grab sample	s used.		
24-Hour composite					
Grab					
d. Indicate where the sample was ta	sken in relation to disinfection. (Chec	k all that apply for each)			
Before disinfection					
After disinfection					
After dechlorination					

# **FACILITY NAME AND PERMIT NUMBER:** Form Approved 1/14/99 OMB Number 2040-0086 FMC Wastewater Treatment Facility - VA0068110 Test number:\_\_ Test number:\_\_\_ Test number: e. Describe the point in the treatment process at which the sample was collected. Sample was collected: f. For each test, include whether the test was intended to assess chronic toxicity, acute toxicity, or both. Chronic toxicity Acute toxicity g. Provide the type of test performed. Static Static-renewal Flow-through h. Source of dilution water. If laboratory water, specify type; if receiving water, specify source. Laboratory water Receiving water i. Type of dilution water. It salt water, specify "natural" or type of artificial sea salts or brine used. Fresh water Salt water j. Give the percentage effluent used for all concentrations in the test series. k. Parameters measured during the test. (State whether parameter meets test method specifications) рΗ Salinity Temperature Ammonia Dissolved oxygen I. Test Results.

%

%

%

EPA Form 3510-2A (Rev. 1-99). Replaces EPA forms 7550-6 & 7550-22.

Percent survival in 100%

Control percent survival

Other (describe)

effluent

95% C.I.

 $LC_{50}$ 

Acute:

%

%

%

%

%

%

FACILITY NAME AND PERMIT NUMBER FMC Wastewater Treatment Facility -		Form Approved 1/14/99 OMB Number 2040-0086			
Chronic:					
NOEC	%	%	%		
IC <sub>25</sub>	%	%	%		
Control percent survival	%	%	%		
Other (describe)					
m. Quality Control/Quality Assuran	ce.				
Is reference toxicant data available?					
Was reference toxicant test within acceptable bounds?					
What date was reference toxicant test run (MM/DD/YYYY)?					
Other (describe)					
E.3. Toxicity Reduction Evaluation. Is the treatment works involved in a Toxicity Reduction Evaluation? YesNo					
	2008, 10/2009, 10/2010 & 08/20 <sup>-</sup>				
	rain or n	A PT P"			

END OF PART E.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE.

Form Approved 1/14/99 OMB Number 2040-0086

FMC Wastewater Treatment Facility - VA0068110

# SUPPLEMENTAL APPLICATION INFORMATION

# PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES

	plete Part F.	ing discharges from significant industrial users of which receive RCRA, CERCLA, or other remedial wastes must
GE	NERAL INFORMAT	ION:
F.1.	Pretreatment Program	Does the treatment works have, or is it subject to, an approved pretreatment program?
F.2.	Number of Significant of industrial users that of	t Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types discharge to the treatment works.
	a. Number of non-cate	egorical SIUs. 1
	b. Number of CIUs.	<u>1</u>
SIG	NIFICANT INDUST	RIAL USER INFORMATION:
Sup and	ply the following inform provide the information	nation for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 in requested for each SIU.
F.3.	Significant Industrial L pages as necessary.	Jser Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional
	Name:	Virginia Semi Conductors, Inc.
	Mailing Address:	1501 Powhatan St., Fredericksburg, Va. 22401
F.4. F.5.	Growing & cutting of	Describe all of the industrial processes that affect or contribute to the SIU's discharge.  silicon wafers  nd Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's
	Principal product(s):	Silicon Wafers
	Raw material(s):	Silicon Crystals
F.6.	Flow Rate.	
	a. Process wastewater per day (gpd) and w 4,300 gp	r flow rate. Indicate the average daily volume of process wastewater discharged into the collection system in gallons whether the discharge is continuous or intermittent.
	b. Non-process waster system in gallons pe	water flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection er day (gpd) and whether the discharge is continuous or intermittent.  d (continuous orintermittent)
F.7.	<ul><li>a. Local limits</li><li>b. Categorical pretreat</li><li>If subject to categorical</li></ul>	Is. Indicate whether the SIU is subject to the following: YesNo  ment standardsYesNo  pretreatment standards, which category and subcategory?  #20.95 & Part 433.15

FMC Wastewater Treatment Facility - VA0068110

Form Approved 1/14/99 OMB Number 2040-0086

# SUPPLEMENTAL APPLICATION INFORMATION

### PART F. INDUSTRIAL USER DISCHARGES AND RCRA/CERCLA WASTES

	reatment works receivi plete Part F.	ing discharges from significant industrial users or which receive RCRA, CERCLA, or other remedial wastes must				
GEI	NERAL INFORMAT	FION:				
F.1.	Pretreatment ProgramNo	n. Does the treatment works have, or is it subject to, an approved pretreatment program?				
F.2.	Number of Significant Industrial Users (SIUs) and Categorical Industrial Users (CIUs). Provide the number of each of the following types of industrial users that discharge to the treatment works.					
	a. Number of non-cat	tegorical SIUs. 1				
	b. Number of CIUs.					
SIG	NIFICANT INDUST	TRIAL USER INFORMATION:				
		nation for each SIU. If more than one SIU discharges to the treatment works, copy questions F.3 through F.8 n requested for each SIU.				
F.3.	Significant Industrial pages as necessary.	User Information. Provide the name and address of each SIU discharging to the treatment works. Submit additional				
	Name:	Goodwill Industries				
	Mailing Address:	480 Central Rd., Fredericksburg, Va. 22401				
F.4.	Industrial Processes. Commercial laundry	. Describe all of the industrial processes that affect or contribute to the SIU's discharge.				
F.5.	Principal Product(s) a discharge.	and Raw Material(s). Describe all of the principal processes and raw materials that affect or contribute to the SIU's				
	Principal product(s):					
	Raw material(s):					
F.6.	Flow Rate.					
	per day (gpd) and v	er flow rate. Indicate the average daily volume of process wastewater discharged into the collection system in gallons whether the discharge is continuous or intermittent.  pd (continuous orvintermittent)				
		ewater flow rate. Indicate the average daily volume of non-process wastewater flow discharged into the collection per day (gpd) and whether the discharge is continuous or intermittent.  pd (continuous orintermittent)				
F.7.	<ul><li>a. Local limits</li><li>b. Categorical pretrea</li></ul>	ds. Indicate whether the SIU is subject to the following: YesNo atment standardsYesNo I pretreatment standards, which category and subcategory?				

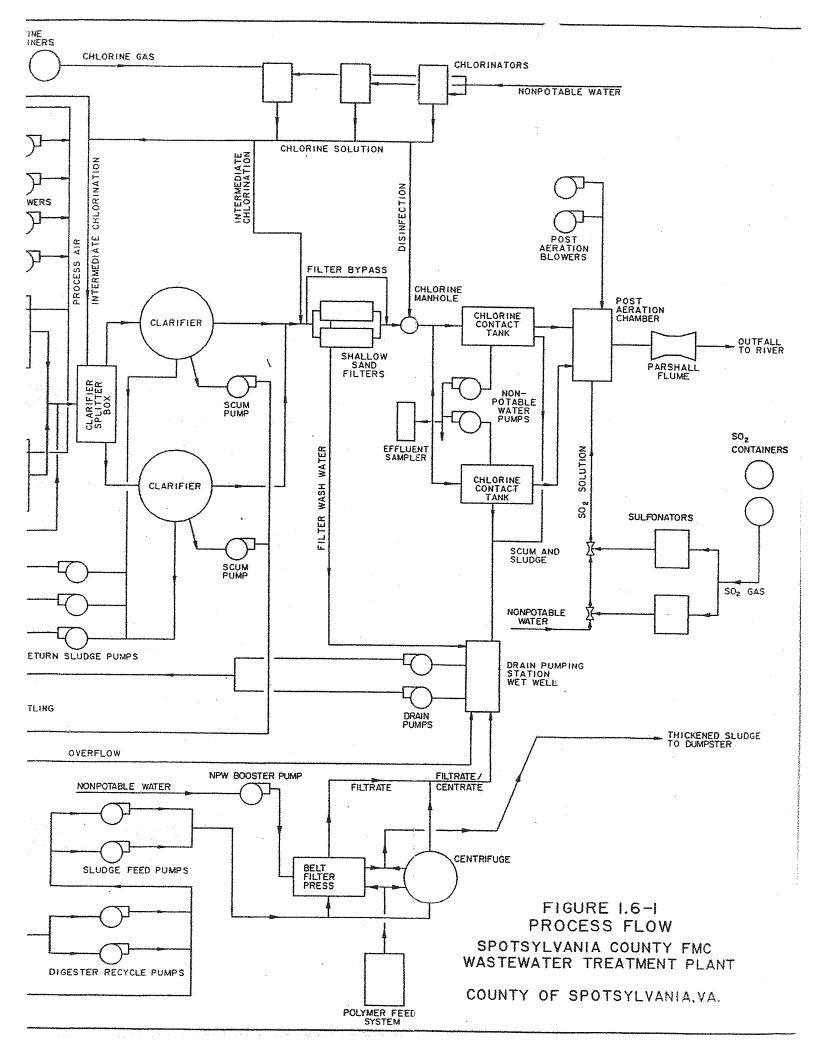
	ILITY NAME AND PERMIT NUMBER Wastewater Treatment Facility - \( \)		Form Approved 1/14/99 OMB Number 2040-008			
F.8.	Problems at the Treatment Works upsets, interference) at the treatmen	Attributed to Waste Discharged by the tworks in the past three years?	ne SIU. Has the SIU caused or contributed to ar	ny problems (e.g.,		
	,	describe each episode.				
				districtive or having again.		
RCF	RA HAZARDOUS WASTE RECEI	VED BY TRUCK, RAIL, OR DEDI	CATED PIPELINE:	11		
F.9.	RCRA Waste. Does the treatment w pipe?YesNo (go to F.1	rorks receive or has it in the past three : 2.)	years received RCRA hazardous waste by truck	rail, or dedicated		
F.10.	Waste Transport. Method by which	RCRA waste is received (check all tha	at apply):			
	TruckRail	Dedicated Pipe				
F.11.	Waste Description. Give EPA hazardous Waste Number	ardous waste number and amount (volu <u>Amount</u>	ume or mass, specify units). <u>Units</u>			
		TER, RCRA REMEDIATION/COR				
F.12.	Yes (complete F.13 through F.	/	otified that it will) receive waste from remedial accurrent and future site.	tivities?		
F.13.	Waste Origin. Describe the site and in the next five years).	type of facility at which the CERCLA/F	RCRA/or other remedial waste originates (or is e	xpected to originate		
F.14.	Pollutants. List the hazardous cons known. (Attach additional sheets if n	tituents that are received (or are expec ecessary).	ited to be received). Include data on volume and	Concentration, if		
F.15.	YesNo	treated) prior to entering the treatment ovide information about the removal eff				
	b. Is the discharge (or will the disch		escribe discharge schedule.			

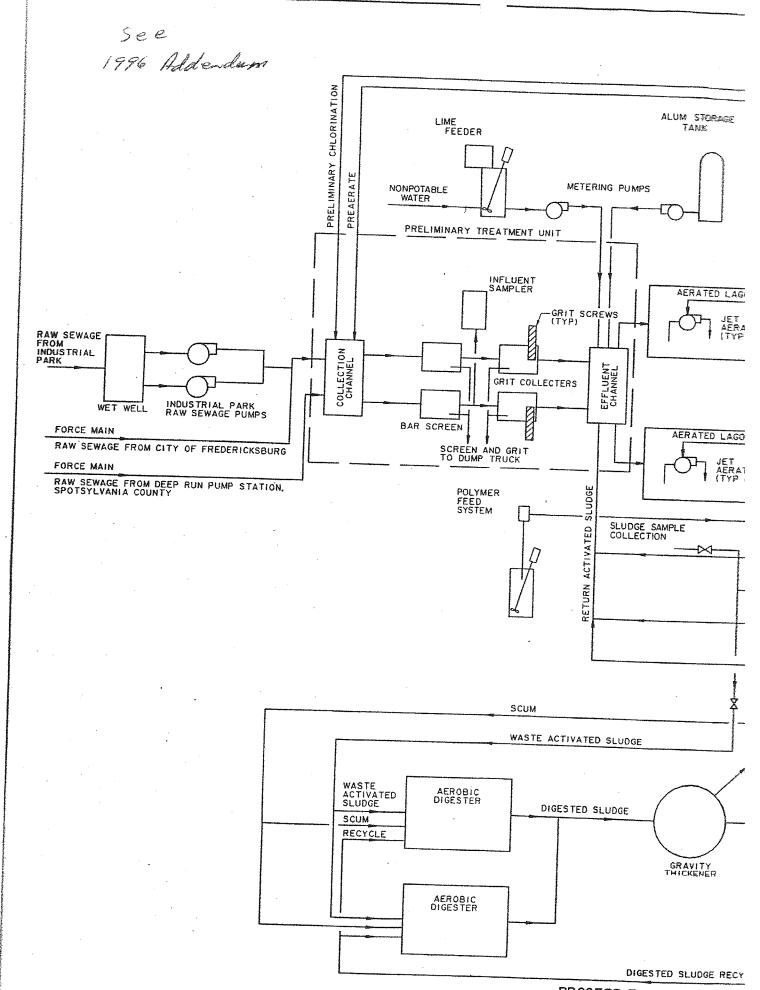
END OF PART F.

REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE

Topographic Map for the FMC WWTP 3-D TopoQuads Copyright © 1999 DeLorme Varmouth, ME 04996 Source Data: USCS 250 ft Scale: 1:9,600 Detail: 14:9 Desium: WGS84





PROCESS FLOW

# **VPDES Permit Application Addendum**

1. <b>Entity to whom the permit is to be issued</b> : Spotsylvania County Utilities Department  Who will be legally responsible for the wastewater treatment facilities and compliance with the permit? This may onto be the facility or property owner.	r may
2. Is this facility located within city or town boundaries? Yes No X	
3. Provide the tax map parcel number for the land where the discharge is located. Page 25, A, Lot	8B
4. For the facility to be covered by this permit, how many acres will be disturbed during the next five years due to new construction activities? None	
5. What is the design average effluent flow of this facility? 4.0 MGD For industrial facilities, provide the max. 30-day average production level, include units:	
In addition to the design flow or production level, should the permit be written with limits for an other discharge flow tiers or production levels? Yes No $\underline{\mathbf{X}}$ If "Yes", please identify the other flow tiers (in MGD) or production levels:	У
Please consider the following questions for both the flow tiers and the production levels (if applicable): Do you plan expand operations during the next five years? Is your facility's design flow considerably greater than your current fi	to ow?
6. Nature of operations generating wastewater:	
Normal municipal usage	
80 % of flow from domestic  Number of private residences to be served by the treatment works: 7,000	
20 % of flow from non-domestic connections/sources	
7. <b>Mode of discharge</b> : X Continuous Intermittent Seasonal Describe frequency and duration of intermittent or seasonal discharges:	
3. Identify the characteristics of the receiving stream at the point just above the facility's discharge point:  X Permanent stream, never dry	
Intermittent stream, usually flowing, sometimes dry	
Ephemeral stream, wet-weather flow, often dry	
Effluent-dependent stream, usually or always dry without effluent flow	
Lake or pond at or below the discharge point	
Other:	
Approval Date(s):	
O & M Manual August 2010 Sludge/Solids Management Plan February 2011	
Have there been any changes in your operations or procedures since the above approval dates? Voc 🗔	No. V

### VPDES SEWAGE SLUDGE PERMIT APPLICATION FORM

### **SCREENING INFORMATION**

This application is divided into four sections. Section A pertains to all applicants. The applicability of Sections B, C and D depends on your facility's sewage sludge use or disposal practices. The information provided on this page will help you determine which sections to fill out.

1.	All applicants must complete Section A (General Information).
2.	Does this facility generate sewage sludge?X Yes No
	Does this facility derive a material from sewage sludge? YesX_ No
	If you answered "Yes" to either, complete Section B (Generation Of Sewage Sludge or Preparation Of A Material Derived From Sewage Sludge).
3.	Does this facility apply sewage sludge to the land? YesX No
	Is sewage sludge from this facility applied to the land? YesX No
	If you answer "No" to all above, skip Section C.
	If you answered "Yes" to either, answer the following three questions:
	a. Does the sewage sludge from this facility meet the ceiling concentrations, pollutant concentrations, Class A pathogen reduction requirements and one of the vector attraction reduction requirements 1-8, as identified in the instructions? Yes No
	<ul> <li>Is sewage sludge from this facility placed in a bag or other container for sale or give-away for application to the land?</li> <li>Yes No</li> </ul>
	c. Is sewage sludge from this facility sent to another facility for treatment or blending? Yes No
	If you answered "No" to all three, complete Section C (Land Application Of Bulk Sewage Sludge).
	If you answered "Yes" to a, b or c, skip Section C.
4.	Do you own or operate a surface disposal site? YesX No
	If "Yes", complete Section D (Surface Disposal).

FACILITY NAME: FMC WWTF

# VPDES PERMIT NUMBER: VA0068110

### SECTION A. GENERAL INFORMATION

All applicants must complete this section.1. Facility Information.

2.

3.

I. St	they into mation.
a.	Facility name: FMC WWTF
b.	Contact person: <u>Doug Crooks</u>
	Title: <u>Director Wastewater Treatment Division</u>
	Phone: ( <u>540</u> ) <u>507-7362</u>
c.	Mailing address:
	Street or P.O. Box: 10900 HCC Drive
	City or Town: Fredericksburg State: Virginia Zip: 22408
d.	Facility location:
	Street or Route #: 11801 Capital Lane
	County: Spotsylvania
	City or Town: <u>Fredericksburg</u> State: <u>Virginia</u> Zip: <u>22408</u>
e.	Is this facility a Class I sludge management facility? YesX No
f.	Facility design flow rate: 4.0 mgd
g.	Total population served: 35,618
h.	Indicate the type of facility:
	X Publicly owned treatment works (POTW)
	Privately owned treatment works
	Federally owned treatment works
	Blending or treatment operation
	Surface disposal site
	Other (describe):
Ap	plicant Information. If the applicant is different from the above, provide the following:
a.	Applicant name: Spotsylvania County Utilities Department
b.	Mailing address:
	Street or P.O. Box: 600 Hudgins Rd.
	City or Town: <u>Fredericksburg</u> State: <u>Va.</u> Zip: <u>22408</u>
c.	Contact person: Edward Petrovitch
	Title: <u>Director Public Utilities/Public Works</u>
	Phone: ( <u>540</u> ) <u>507-7302</u>
d.	Is the applicant the owner or operator (or both) of this facility? X ownerX operator
e.	Should correspondence regarding this permit be directed to the facility or the applicant?  facilityX_ applicant
Per	rmit Information.
a.	Facility's VPDES permit number (if applicable): <u>VA0068110</u>
b.	List on this form or an attachment, all other federal, state or local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices:
	Permit Number: Type of Permit:

# FACILITY NAME: FMC WWTF VPDES PERMIT NUMBER: VA0068110 4. Indian Country. Does any generation, treatment, storage, application to land or disposal of sewage sludge from this

 		,	, r	 	
facility occur in Indian Country?	Yes	x No	If "Yes", describe:		
			, , , , , , , , , , , , , , , , , , ,		

- 5. **Topographic Map.** Provide a topographic map or maps (or other appropriate maps if a topographic map is unavailable) that shows the following information. Maps should include the area one mile beyond all property boundaries of the facility:
  - a. Location of all sewage sludge management facilities, including locations where sewage sludge is generated, stored, treated, or disposed.
  - b. Location of all wells, springs, and other surface water bodies listed in public records or otherwise known to the applicant within 1/4 mile of the property boundaries.
- 6. Line Drawing. Provide a line drawing and/or a narrative description that identifies all sewage sludge processes that will be employed during the term of the permit including all processes used for collecting, dewatering, storing, or treating sewage sludge, the destination(s) of all liquids and solids leaving each unit, and all methods used for pathogen reduction and vector attraction reduction.

7.	<b>Contractor Information.</b> Are any operational or maintenance aspects of this facility related to sewage sludge generation, treatment, use or disposal the responsibility of a contractor? YesX No
	If "Yes", provide the following for each contractor (attach additional pages if necessary).
	Name:
	Mailing address:
	Street or P.O. Box:

City or Town: State: Zip:

Phone:

Contractor's Federal, State or Local Permit Number(s) applicable to this facility's sewage sludge:

If the contractor is responsible for the use and/or disposal of the sewage sludge, provide a description of the service to be provided to the applicant and the respective obligations of the applicant and the contractor(s).

8. Pollutant Concentrations. Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants which limits in sewage sludge have been established in 9 VAC 25-31-10 et seq. for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than four and one-half years old.

POLLUTANT	CONCENTRATION (mg/kg dry weight)	SAMPLE DATE	ANALYTICAL METHOD	DETECTION LEVEL FOR ANALYSIS
Arsenic	4.3	2011, July, Aug, & Sept	SW-846 610 C	0.05
Cadmium	<1.25	2011, July, Aug, & Sept	SW-846 610 C	1.25
Chromium	40.4	2011, July, Aug, & Sept	SW-846 610 C	2.5
Copper	279.0	2011, July, Aug, & Sept	SW-846 610 C	0.05
Lead	25.2	2011, July, Aug, & Sept	SW-846 610 C	0.2
Mercury	0.4	2011, July, Aug, & Sept	SW-846 7471B	0.1
Molybdenum	2.9	2011, July, Aug, & Sept	SW-846 610 C	0.005
Nickel	13.5	2011, July, Aug, & Sept	SW-846 610 C	0.5

Selenium	5.4	2011, July, Aug, & Sept	SW-846 610 C	0.15
Zinc	447	2011, July, Aug, & Sept	SW-846 610 C	0.6

practices at your facility or identify appropriate permitting requirements.

9.

<b>Certification.</b> Read and submit the following certification statement with this application. Refer to the instructions to determine who is an officer for purposes of this certification. Indicate which parts of the application you have completed and are submitting:			
X Section A (General Information)			
X Section B (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)			
Section C (Land Application of Bulk Sewage Sludge)			
Section D (Surface Disposal)			
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible fo gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."			
Name and official title: Edward Petrovitch  Signature Date Signed 01/30/12			
Telephone number ( <u>540</u> ) <u>507-7302</u>			
Upon request of the department, you must submit any other information necessary to assess sewage sludge use or disposal			

# SECTION B. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE

Complete this section if your facility generates sewage sludge or derives a material from sewage sludge

Total dry metric tons per 365-day period generated at your facility: 472 dry metric tons

1. Amount Generated On Site.

di	mount Received from Off Site. If your facility receives sewage sludge from another facility for treatment, use or sposal, provide the following information for each facility from which sewage sludge is received. If you receive sewage sludge from more than one facility, attach additional pages as necessary.			
a.	Facility name:			
b.	Contact Person:			
	Title:			
	Phone:			
c.	Mailing address:			
	Street or P.O. Box:			
	City or Town:State:			
d.	Facility location:			
	(not P.O. Box)			
e.	Total dry metric tons per 365-day period received from this facility: dry metric tons			
f.	Describe, on this form or on another sheet of paper, any treatment processes known to occur at the off-site facility, including blending activities and treatment to reduce pathogens or vector attraction characteristics:			
Tı	reatment Provided at Your Facility.			
a.	Which class of pathogen reduction is achieved for the sewage sludge at your facility?  Class A Class BX_ Neither or unknown			
b.				
	pathogens in sewage sludge: Aerated sludge storage			
c.	Which vector attraction reduction option is met for the sewage sludge at your facility?			
	Option 1 (Minimum 38 percent reduction in volatile solids)			
	Option 2 (Anaerobic process, with bench-scale demonstration)			
	Option 3 (Aerobic process, with bench-scale demonstration)			
	Option 4 (Specific oxygen uptake rate for aerobically digested sludge)			
	Option 5 (Aerobic processes plus raised temperature)			
	Option 6 (Raise pH to 12 and retain at 11.5)			
	Option 7 (75 percent solids with no unstabilized solids)			
	Option 8 (90 percent solids with unstabilized solids)			
	X None or unknown			
d.	Describe, on this form or another sheet of paper, any treatment processes used at your facility to reduce vector			
	attraction properties of sewage sludge: Aerated sludge storage			
e.	e. Describe, on this form or another sheet of paper, any other sewage sludge treatment activities, including			
	blending, not identified in a - d above:			

(If sewage sludge from your facility does not meet all of these criteria, skip Question 4.)

a. Total dry metric tons per 365-day period of sewage sludge subject to this section that is applied to the land: dry metric tons b. Is sewage sludge subject to this section placed in bags or other containers for sale or give-away? \_\_\_\_ Yes \_\_\_\_ No Sale or Give-Away in a Bag or Other Container for Application to the Land. (Complete this question if you place sewage sludge in a bag or other container for sale or give-away prior to land application. Skip this question if sewage sludge is covered in Question 4.) a. Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land: dry metric tons b. Attach, with this application, a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land. 6. Shipment Off Site for Treatment or Blending. (Complete this question if sewage sludge from your facility is sent to another facility that provides treatment or blending. This question does not apply to sewage sludge sent directly to a land application or surface disposal site. Skip this question if the sewage sludge is covered in Questions 4 or 5. If you send sewage sludge to more than one facility, attach additional sheets as necessary.) a. Receiving facility name: Livingston Blend Compost Facility b. Facility contact: Doug Crooks Title: Director Wastewater Treatment Division Phone: (540) 507-7362 c. Mailing address: Street or P.O. Box: 10900 HCC Drive City or Town: Fredericksburg State: Virginia Zip: 22408 d. Total dry metric tons per 365-day period of sewage sludge provided to receiving facility: 1,079 dry metric tons e. List, on this form or an attachment, the receiving facility's VPDES permit number as well as the numbers of all other federal, state or local permits that regulate the receiving facility's sewage sludge use or disposal practices: Permit Number: Type of Permit: VPA00065 **VPA** f. Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility? \_\_\_X\_\_Yes \_\_\_\_\_No Which class of pathogen reduction is achieved for the sewage sludge at the receiving facility? X\_ Class A Class B Neither or unknown Describe, on this form or another sheet of paper, any treatment processes used at the receiving facility to reduce pathogens in sewage sludge: Static Pile Composting Does the receiving facility provide additional treatment to reduce vector attraction characteristics of the sewage sludge? X Yes No Which vector attraction reduction option is met for the sewage sludge at the receiving facility? Option 1 (Minimum 38 percent reduction in volatile solids) Option 2 (Anaerobic process, with bench-scale demonstration) Option 3 (Aerobic process, with bench-scale demonstration) Option 4 (Specific oxygen uptake rate for aerobically digested sludge) X Option 5 (Aerobic processes plus raised temperature) Option 6 (Raise pH to 12 and retain at 11.5)

FACILITY NAME: FMC WWTF

**VPDES PERMIT NUMBER: VA0068110** 

FA	CIL	ILITY NAME: FMC WWTF	VPDES PERMIT NUMBER: VA0068110
		Option 7 (75 percent solids with no unstabilized so	olids)
		Option 8 (90 percent solids with unstabilized solid	s)
		None unknown	
		Describe, on this form or another sheet of paper, any treat	ment processes used at the receiving facility to reduce
		vector attraction properties of sewage sludge:	
	,		
	h.	<ul> <li>Does the receiving facility provide any additional treatme</li> <li>YesXNo</li> </ul>	nt or blending not identified in f or g above?
		If "Yes", describe, on this form or another sheet of paper,	the treatment processes not identified in f or g above:
	i.		
		comply with the "notice and necessary information" requi	
	j	application to the land? YesX No	facility in a bag or other container for sale or give-away for
		If "Yes", provide a copy of all labels or notices that accor-	npany the product being sold or given away.
	k.	Will the sewage sludge be transported to the receiving fac such purposes?X Yes No. If "No", prov transport the sewage sludge to the receiving facility.	cility in a truck-mounted watertight tank normally used for vide description and specification on the vehicle used to
		Show the haul route(s) on a location map or briefly descri	be the haul route below and indicate the days of the week
		and the times of the day sewage sludge will be transported	d. HCC Drive to left on Rt. 17 East, Rt. 17 East to left on
		Rt. 1 North, Rt. 1 North to left on Rt. 208 West, Rt.208 V	Vest to left onto Massey Rd.
7.	La	Land Application of Bulk Sewage Sludge.	
		Complete Question 7.a if sewage sludge from your facility i. Questions 4, 5 or 6. Complete Question 7.b, c & d only if yo	••
	a.	a. Total dry metric tons per 365-day period of sewage sludg	e applied to all land application sites:
		dry metric tons	
	b.	b. Do you identify all land application sites in Section C of t	his application?YesNo
		If "No", submit a copy of the Land Application Plan (LAI accordance with the instructions).	P) with this application (LAP should be prepared in
	c.	e. Are any land application sites located in States other than	Virginia? Yes No
		If "Yes", describe, on this form or on another sheet of par where the land application sites are located. Provide a co	
	d.		er or lease holder of the land application sites to comply with VAC 25-31-530 F and/or H (Examples may be obtained in

7.

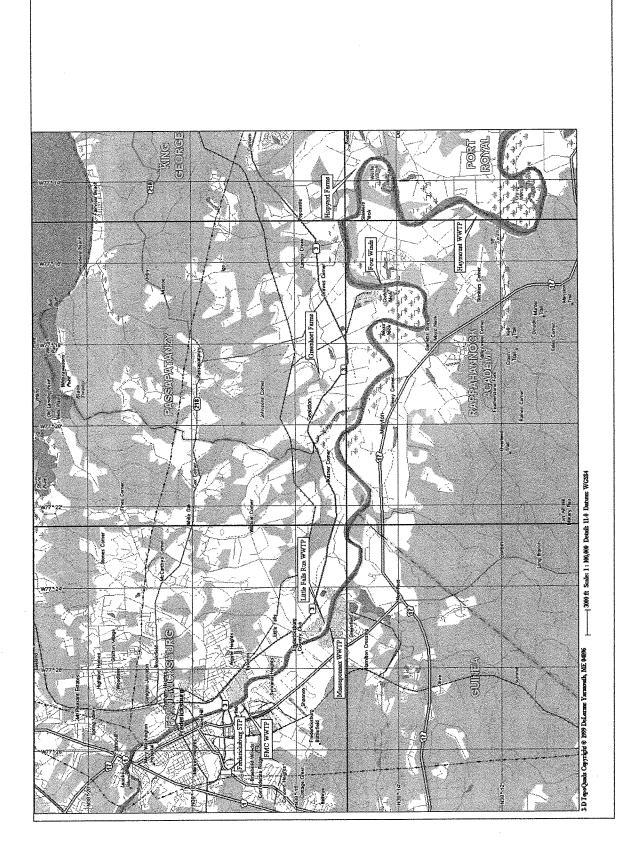
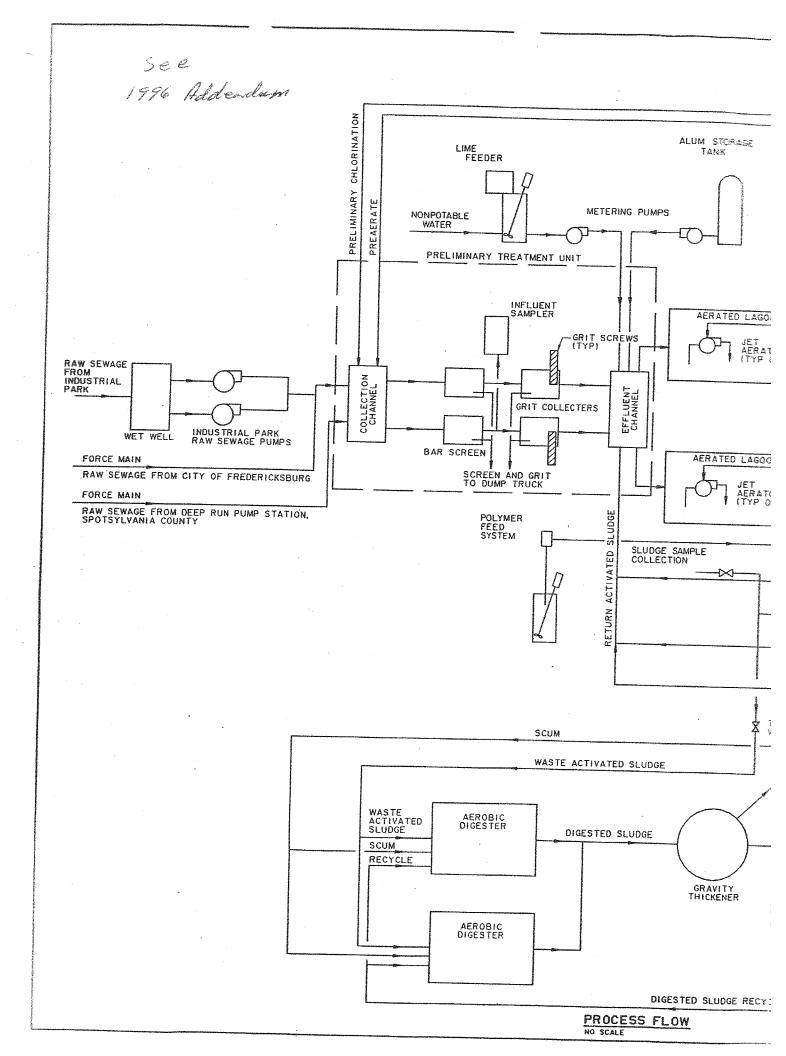
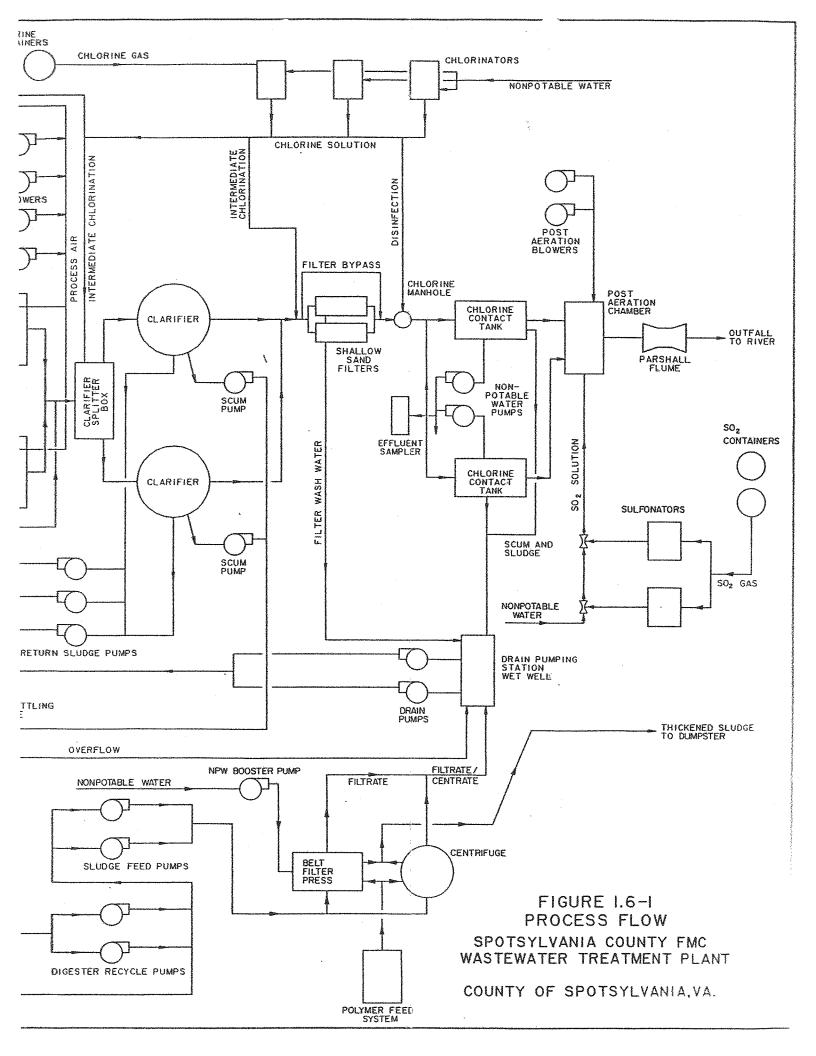


Figure 1 Discharger Locations





### PUBLIC NOTICE BILLING INFORMATION

I hereby authorize the Department of Environmental Quality to have the cost of publishing a public notice billed to the Agent/Department shown below. The public notice will be published once a week for two consecutive weeks in accordance with 9 VAC 25-31-290.C.2.

Agent/Department to be billed:

Mr. Edward Petrovitch, Director of Utilities

County of Spotsylvania, Virginia Utilities Dept.

Applicant's Address:

600 Hudgins Road

Fredericksburg, VA 22408-4147

Agent's Telephone Number:

540-507-7302

Authorizing Agent:

Signature

VPDES Permit Nos. VA0025658/VA0068110 Facility Names: Massaponax and FMC WWTPs

Please return to:

Anna Westernik VA-DEQ, NRO 13901 Crown Court Woodbridge, VA 22193-1453 Fax: (703)583-3821

